

What Is Claimed Is:

1. A rack-and-pinion electro-steering system, particularly for motor vehicles, having a rack extending in a housing, which is operatively connected to a thrust member/pinion pairing, in which for guiding the rack (2) at least one bearing (5) is provided between the rack (2) and the housing (1), wherein the bearing is designed as a sliding bearing (5) and the sliding bearing (5) is lockable via a locking geometry.
2. The rack-and-pinion electro-steering system as recited in Claim 1, wherein the sliding bearing (5) is situated on the rack (2).
3. The rack-and-pinion electro-steering system as recited in Claim 1 or 2, wherein two sliding bearings (5) are provided for guiding the rack (2) in the housing (1).
4. The rack-and-pinion electro-steering system as recited in one of Claims 1 through 3, wherein two pinions (3a and 3b) each having one associated thrust member (4a and 4b) are provided, one pinion (3a) being connected to the servo-side and one pinion (3b) being connected to the sensor side or the steering column.
5. The rack-and-pinion electro-steering system as recited in one of Claims 1 through 4, wherein the housing (1), in particular a cylindrical housing part (1c), is honed throughout.
6. The rack-and-pinion electro-steering system as recited in one of Claims 1 through 5, wherein the sliding bearing (5) is made essentially from plastic, preferably a high-performance plastic suitable for high temperatures.

7. The rack-and-pinion electro-steering system as recited in Claim 6, wherein the sliding bearing (5) is manufactured using injection molding technology.
8. The rack-and-pinion electro-steering system as recited in one of Claims 1 through 7, wherein between the thrust member (4a or 4b) and the housing part (1a or 1b) surrounding the thrust member (4a or 4b) a sliding bearing or a sliding bushing (6) essentially covering the contact area is used.
9. The rack-and-pinion electro-steering system as recited in Claim 8, wherein the sliding bearing or the sliding bushing (6) is inserted into the housing part (1a or 1b).
10. The rack-and-pinion electro-steering system as recited in Claim 8 or 9, wherein the sliding bearing (6) is made essentially from plastic, preferably from a high-performance plastic.
11. The rack-and-pinion electro-steering system as recited in Claims 1 through 7, wherein the thrust member (4a and 4b) is manufactured essentially from plastic.
12. The rack-and-pinion electro-steering system as recited in Claim 11, wherein the thrust member (4a and 4b) is manufactured from a slide-modified high-performance plastic, preferably using injection molding technology.